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NOTICE OF ALLOWANCE AND FEE(S) DUE

21302

7590

03/26/2008

KNOBLE, YOSHIDA & DUNLEAVY EIGHT PENN CENTER SUITE 1350, 1628 JOHN F KENNEDY BLVD PHILADELPHIA, PA 19103

EXAMINER				
SMITH, CHAD				
ART UNIT	PAPER NUMBER			
2874				

DATE MAILED: 03/26/2008

APPLICATION NO.	TION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/541.523	06/30/2006	Koji Seo	KAWA-1001US	3000	

TITLE OF INVENTION: OPTICAL FIBER, LIGHT AMPLIFIER, AND LIGHT SOURCE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/26/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

appropriate. All further indicated unless correct maintenance fee notification	correspondence including the delow or directed of attentions.	ng the Patent, advance of herwise in Block 1, by (rders and notification a) specifying a new c	of n	naintenance fees w pondence address;	vill be and/or	mailed to the current (b) indicating a sep	t corres arate "I	pondence address as FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 21302 7590 03/26/2008				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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KNOBLE, YOSHIDA & DUNLEAVY EIGHT PENN CENTER SUITE 1350, 1628 JOHN F KENNEDY BLVD				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimi transmitted to the USPTO (571) 273-2885, on the date indicated below.					
PHILADELPHI	IA, PA 19103								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CON	FIRMATION NO.
10/541,523	06/30/2006	•	Koji Seo			K	AWA-1001US		3000
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	Ξ	DATE DUE
nonprovisional	NO	\$1440	\$300		\$0 1		\$1740		06/26/2008
	MINER	ART UNIT	CLASS-SUBCLASS	S					
	I, CHAD	2874	385-128000 2. For printing on						
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	lless an assignee is ident th in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ified below, no assignee pletion of this form is NC	data will appear on t T a substitute for filin (B) RESIDENCE: (C	he pa g an a	atent. If an assign assignment. and STATE OR C	COUNT			
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): A check is enclose Payment by credition The Director is he overpayment, to 1	sed. it care	d. Form PTO-2038	is atta	ched.	eficienc	
	ntus (from status indicate ns SMALL ENTITY statu		☐ b. Applicant is no	o long	ger claiming SMAl	LL ENT	CITY status. See 37 C	FR 1.2	7(g)(2).
NOTE: The Issue Fee ar interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademarl	ed from anyone other the Office.	han tl	ne applicant; a regi	stered a	attorney or agent; or t	he assig	gnee or other party in
Authorized Signature	>				Date				
Typed or printed name Registration No This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to proceed).									
an application. Confident submitting the complete this form and/or suggest Box 1450, Alexandria, VAlexandria, Virginia 223	ntiality is governed by 35 application form to the ions for reducing this bu Virginia 22313-1450. DC 313-1450.	CFR 1.311. The informati I U.S.C. 122 and 37 CFR E USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR persons are required to re	1.14. This collection is depending upon the see Chief Information CCOMPLETED FORM	is est indiv Office IS TC	imated to take 12 i idual case. Any co r, U.S. Patent and DTHIS ADDRESS	minutes omment Traden S. SENI	to complete, including to the amount of the total of the	ng gath me you partmen for Pat	ering, preparing, and require to complete t of Commerce, P.O. ents, P.O. Box 1450,



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

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10/541,523	06/30/2006	Koji Seo	KAWA-1001US	3000		
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SUITE 1350, 1628 JOHN F KENNEDY BLVD PHILADELPHIA, PA 19103		2874				
FIIILADELFIIA,	FA 19103		DATE MAILED: 03/26/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/541,523	SEO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Chad H. Smith	2874	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-8! NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate common RIGHTS. This application is s	n this application. If not included unication will be mailed in due coul	rse. THIS
1. X This communication is responsive to amendment filed 12	<u>2/12/07</u> .		
2. 🔀 The allowed claim(s) is/are <u>9-11,21 and 22</u> .			
 3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		or (f).	
2. Certified copies of the priority documents ha		an No	
Copies of the certified copies of the priority decaments had			from the
International Bureau (PCT Rule 17.2(a)).	localiteties have been receive	a in this national stage application	monn the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi	IMENT of this application. mitted. Note the attached EXA	AMINER'S AMENDMENT or NOTI	
5. CORRECTED DRAWINGS (as "replacement sheets") m	· · · ·		
(a) ☐ including changes required by the Notice of Draftspe		w / PTO 948) attached	
1) hereto or 2) to Paper No./Mail Date		V (1 10-340) attached	
(b) ☐ including changes required by the attached Examine		in the Office action of	
Paper No./Mail Date	i 3 Amendment / Comment of	III the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			k) of
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMEN	oosit of BIOLOGICAL MAT	ERIAL must be submitted. Note	the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of In	formal Patent Application	
 Notice of Preferences Cited (110-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	<u> </u>	ummary (PTO-413),	
·	Paper No.	Mail Date .	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 		Amendment/Comment	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	_	Statement of Reasons for Allowan	ice
	9.	<u>-</u> •	

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Todd Kupstas (reg. # 54,917) on 3/6/08. The application has been amended as follows:

Cancel the withdrawn claims as follows:

Claims 1 - 8, and 12 - 20.

In claims 9, 10, 21 and 22 strike the word "liner" and replace with -linear-.

The following is an examiner's statement of reasons for allowance: The prior art of record, taken alone or in combination, fails to disclose or render obvious obtaining a fiber fuse threshold by the expression P_{th} =0.15*D.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance." Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad H. Smith whose telephone number is (571) 270-1294. The examiner can normally be reached on Monday-Thursday 7:30a.m. - 5:00p.m. EST.

Application/Control Number: 10/541,523 Page 3

Art Unit: 2874

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on 571-270-2344. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chad H Smith/ Examiner, Art Unit 2874

/Sung H. Pak/ Primary Examiner, Art Unit 2874